

SWP Water Quality Summary

July 22 to 29, 2009

Electrical Conductivity: Concentrations decreased at Check 41, Devil Canyon and Barker Slough, but increased at Harvey O. Banks Pumping Plants (HBP), Check 29 and Vallecitos from July 22 to July 29, 2009. Concentrations ranged from 212 $\mu\text{S}/\text{cm}$ to 532 $\mu\text{S}/\text{cm}$ (127 mg/L to 319 mg/L), below the Article 19 Monthly Average Objective of 440 mg/L (733 $\mu\text{S}/\text{cm}$). As of July 29, 2009, daily average concentrations varied at all the locations, with the lowest and highest concentrations of 212 $\mu\text{S}/\text{cm}$ and 471 $\mu\text{S}/\text{cm}$ occurring at Barker Slough and Devil Canyon, respectively. EC concentrations at HBP increased slightly from 233 $\mu\text{S}/\text{cm}$ to 352 $\mu\text{S}/\text{cm}$, as of July 29, 2009.

Bromide: Concentrations exceeded the California Bay Delta Authority (CBDA) Objective of 0.05 mg/L at all locations. Bromide concentrations ranged from 0.06 mg/L to 0.26 mg/L. As of July 29, Barker Slough had the lowest concentration of 0.06 mg/L, followed by Check 41 with 0.07 mg/L while the highest concentration of 0.21 mg/L occurred at Devil Canyon.

Turbidity: Turbidity levels decreased at HBP, Check 29 and Check 41, but increased at Devil Canyon, Barker Slough and Vallecitos as of July 29, 2009. Turbidity levels ranged from 2.0 NTU to 65.3 NTU this week. On July 29, 2009, the lowest level of 2.4 NTU occurred at Check 29 while the highest level of 65.3 NTU occurred at Barker Slough. As of July 29, 2009, the levels at HBP decreased from 12.1 NTU to 10.9 NTU.

Dissolved Organic Carbon (DOC): Concentrations varied at most locations from July 22 to July 29, 2009. DOC concentrations decreased from 2.3 mg/L to 2.2 mg/L at Check 13 and from 2.1 mg/L to 2.0 mg/L at Edmonston while the concentration at HBP was unchanged at 2.2 mg/L.

Taste and Odor Compounds: MIB and geosmin levels ranged from non-detect to 13 ng/L at Barker Slough, Clifton Court Inlet and Outlet, HBP, Del Valle Check 7, O'Neill Outlet, Pacheco Pumping Plant, Check 41, Check 66, Castaic Lake, Silverwood Lake, Devil Canyon and Lake Perris, during July 14 to 20, 2009.

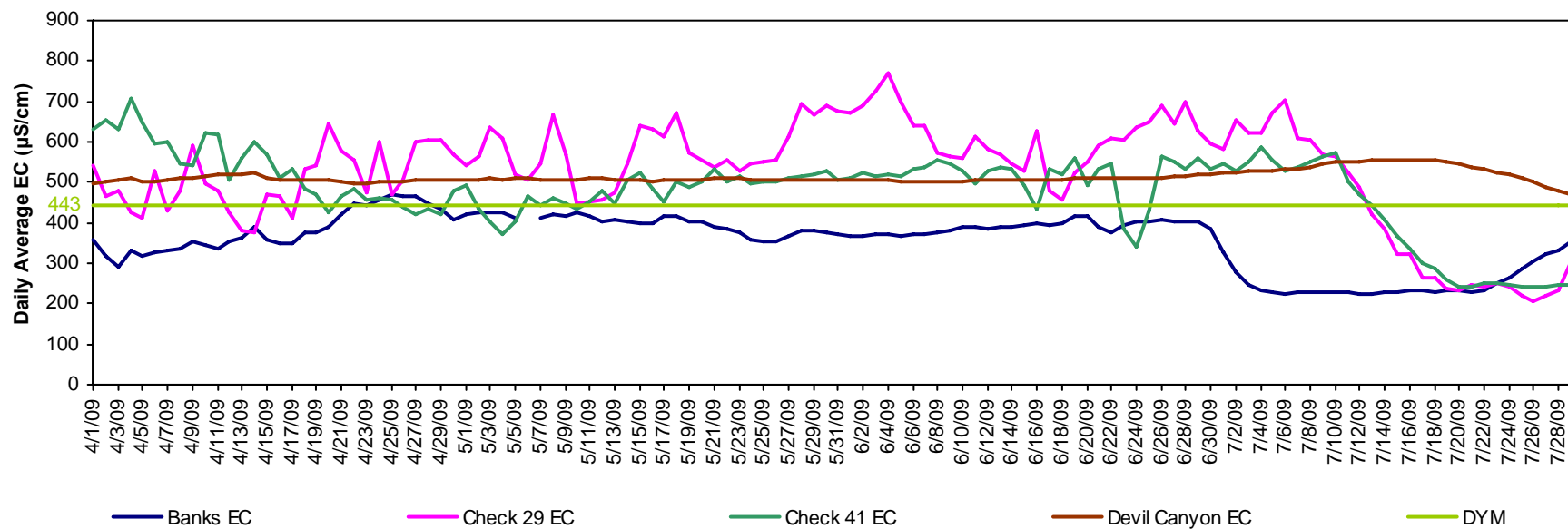
Ground water pump-ins to the California Aqueduct from Arvin Edison Water Storage District, Kern Water Bank Authority (who operate the Kern Water Bank Canal), Kern County Water Agency (who operate the Cross Valley Canal) and Semitropic Storage District totaled 2,892 AF during July 22 to July 29, 2009.

The intent of the weekly water quality (WQ) summary is to acquaint contractors, scientists and interested parties with the status of water quality in the State Water Project (SWP). Your comments, questions and suggestions are welcome and can be directed to Cindy Garcia @ 916-653-7213, or Austine Eke @ 916-653-7227. To view WQ data from the automated stations along the SWP, visit:

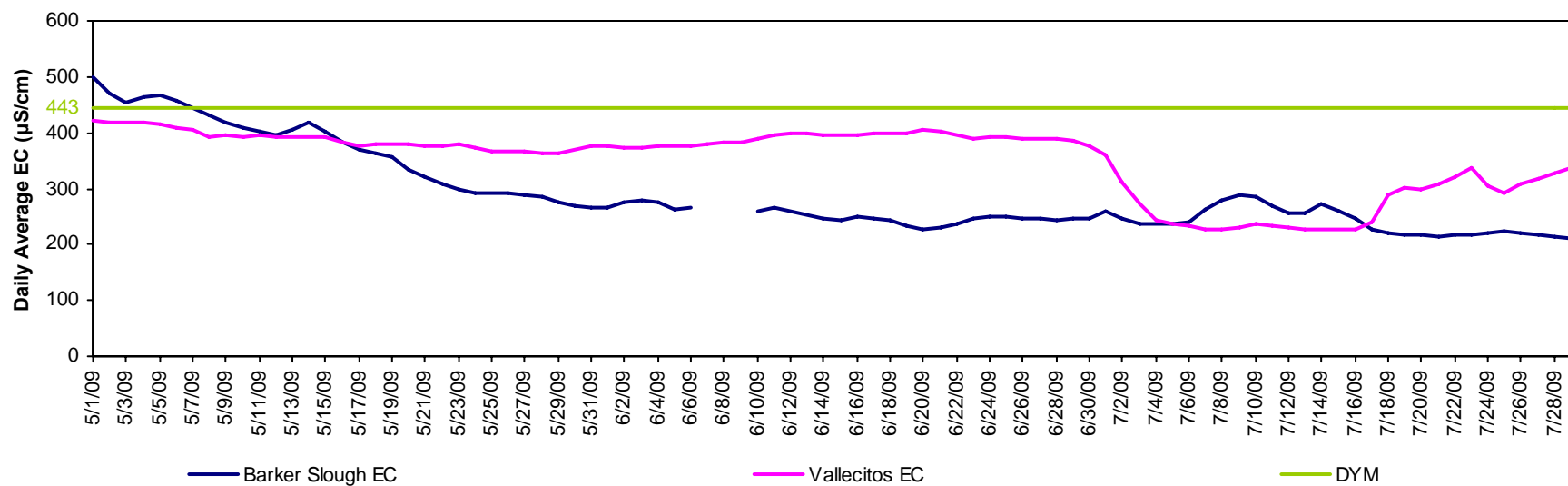
http://www.water.ca.gov/swp/waterquality/AutostationData/Autostation_map.cfm, and

click on a station name on the map to link to the station's data on the California Data Exchange Center (CDEC) website.

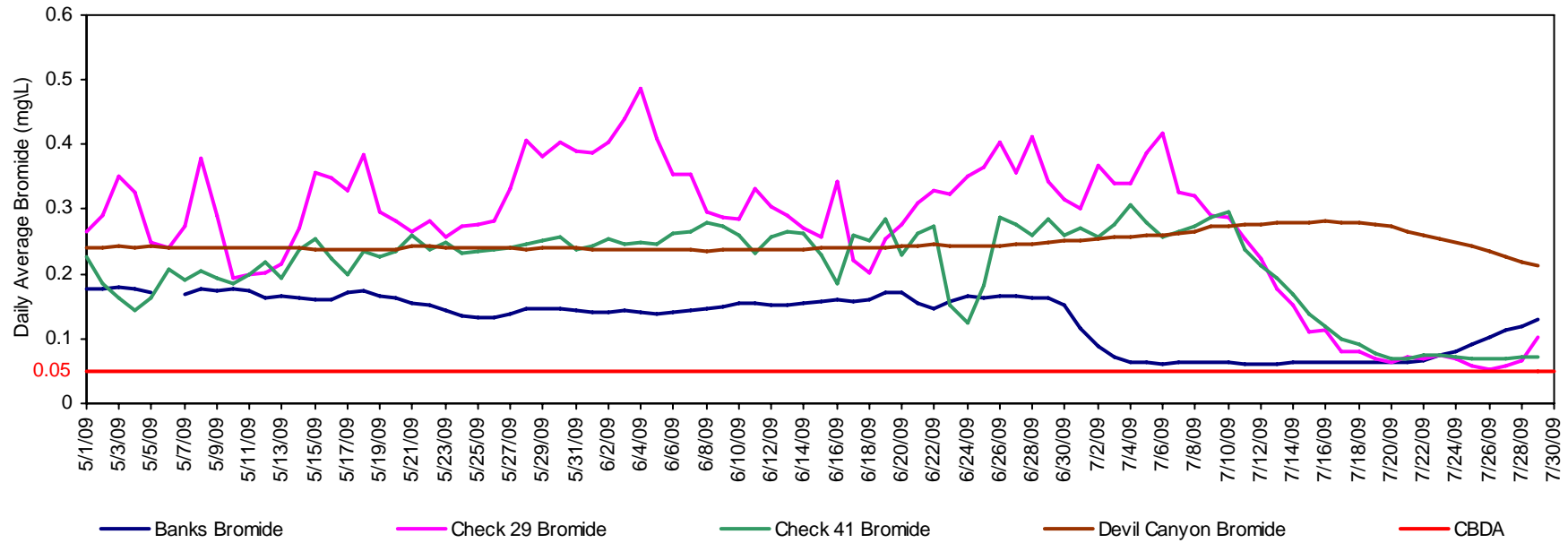
California Aqueduct - Electrical Conductivity



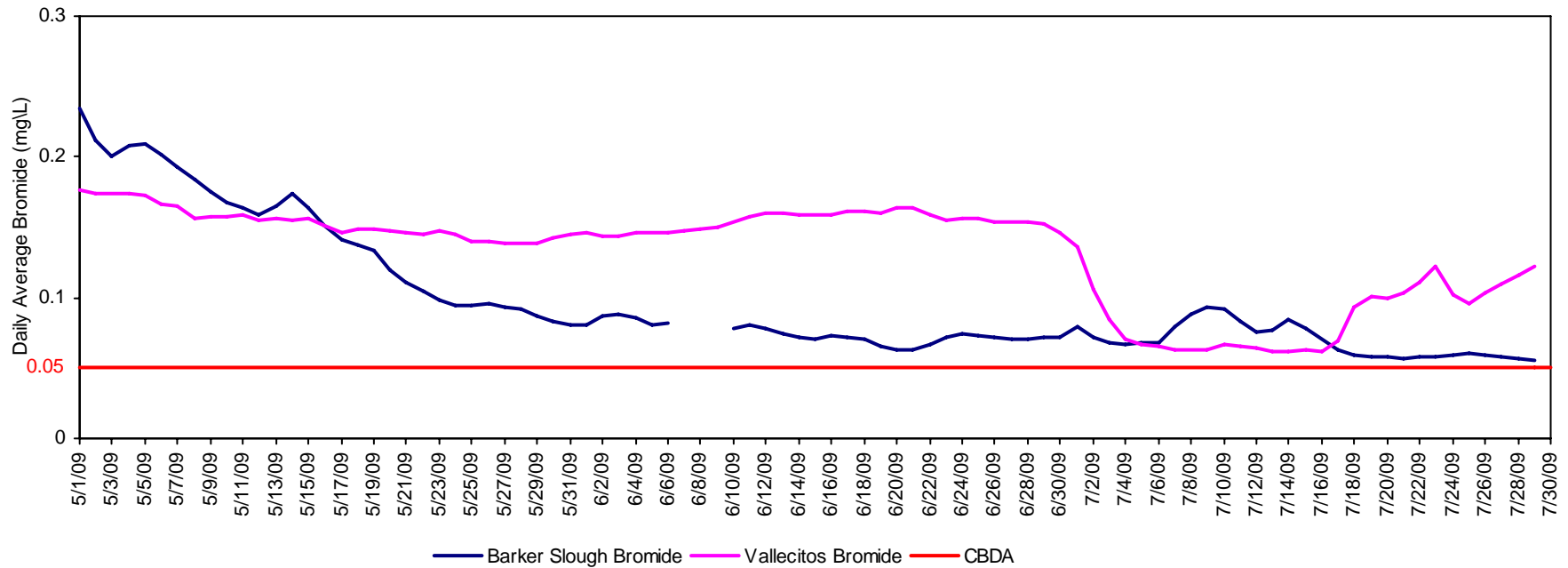
North and South Bay Aqueduct - Electrical Conductivity



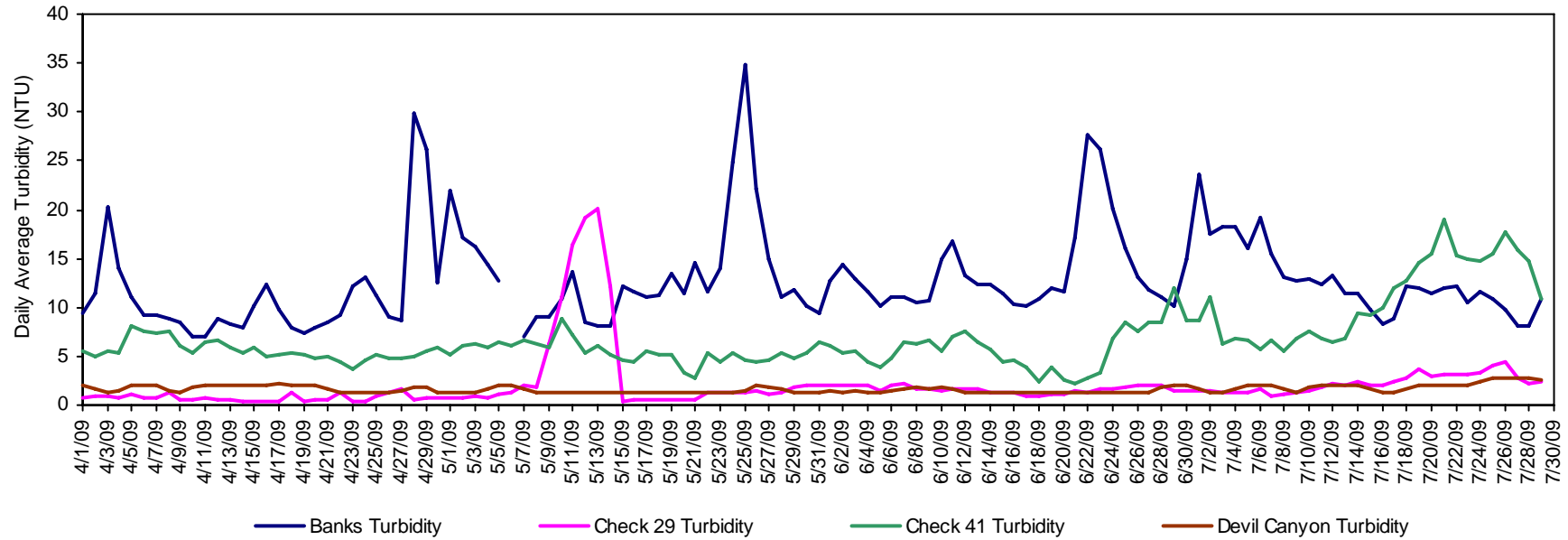
California Aqueduct - Calculated Bromide



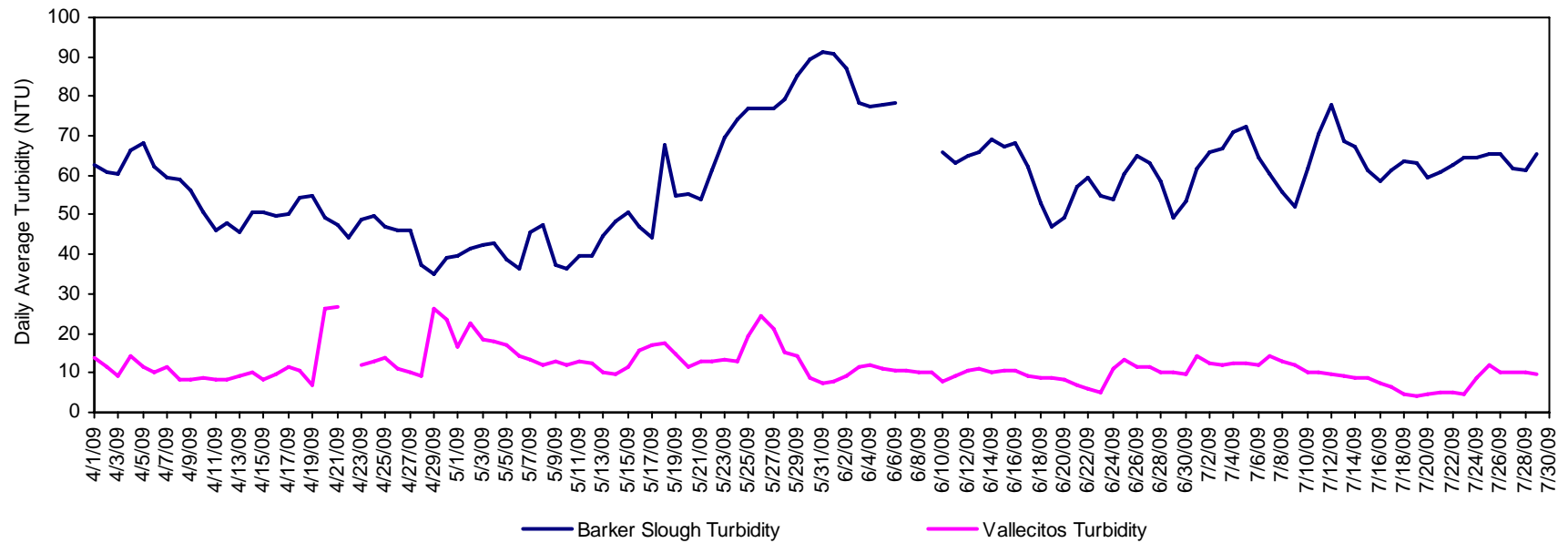
North and South Bay Aqueduct - Calculated Bromide



California Aqueduct - Turbidity



North and South Bay Aqueduct - Turbidity



California Aqueduct Calculated Dissolved Organic Carbon

